

NOTE: US 15 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

PROPOSED LED SIGNALS

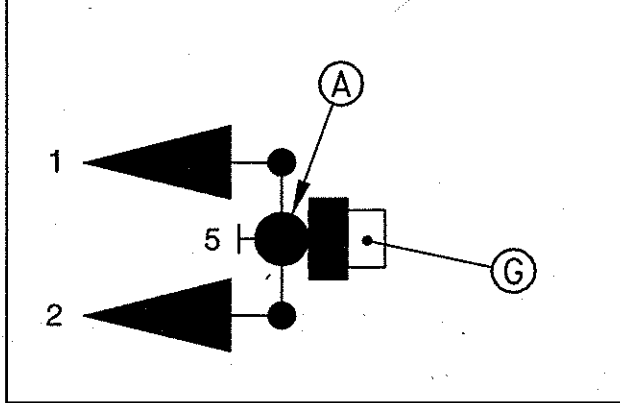
1,2,3,4
Y
12"

PROPOSED SIGNS

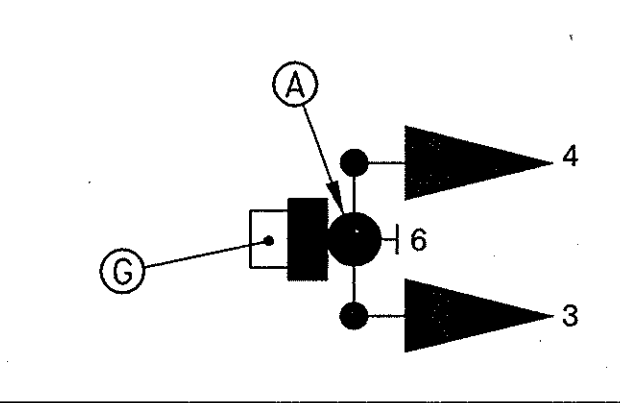


W2-6 (48"x48") +
W13-1 (24"x24")
FY

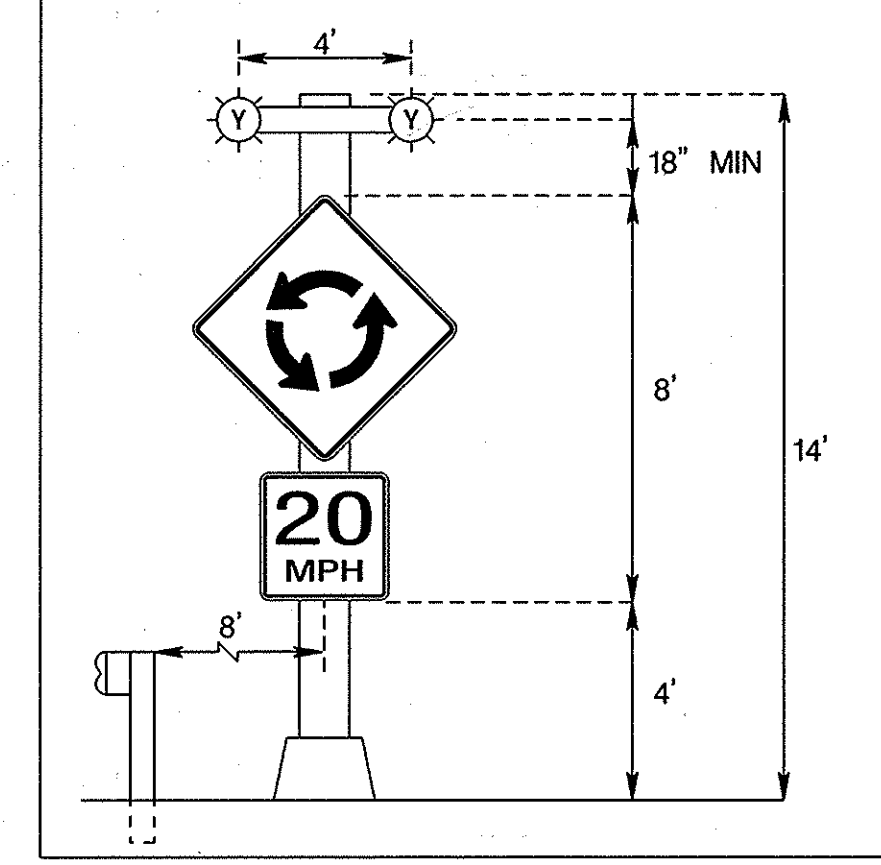
NORTHBOUND HIB DETAIL



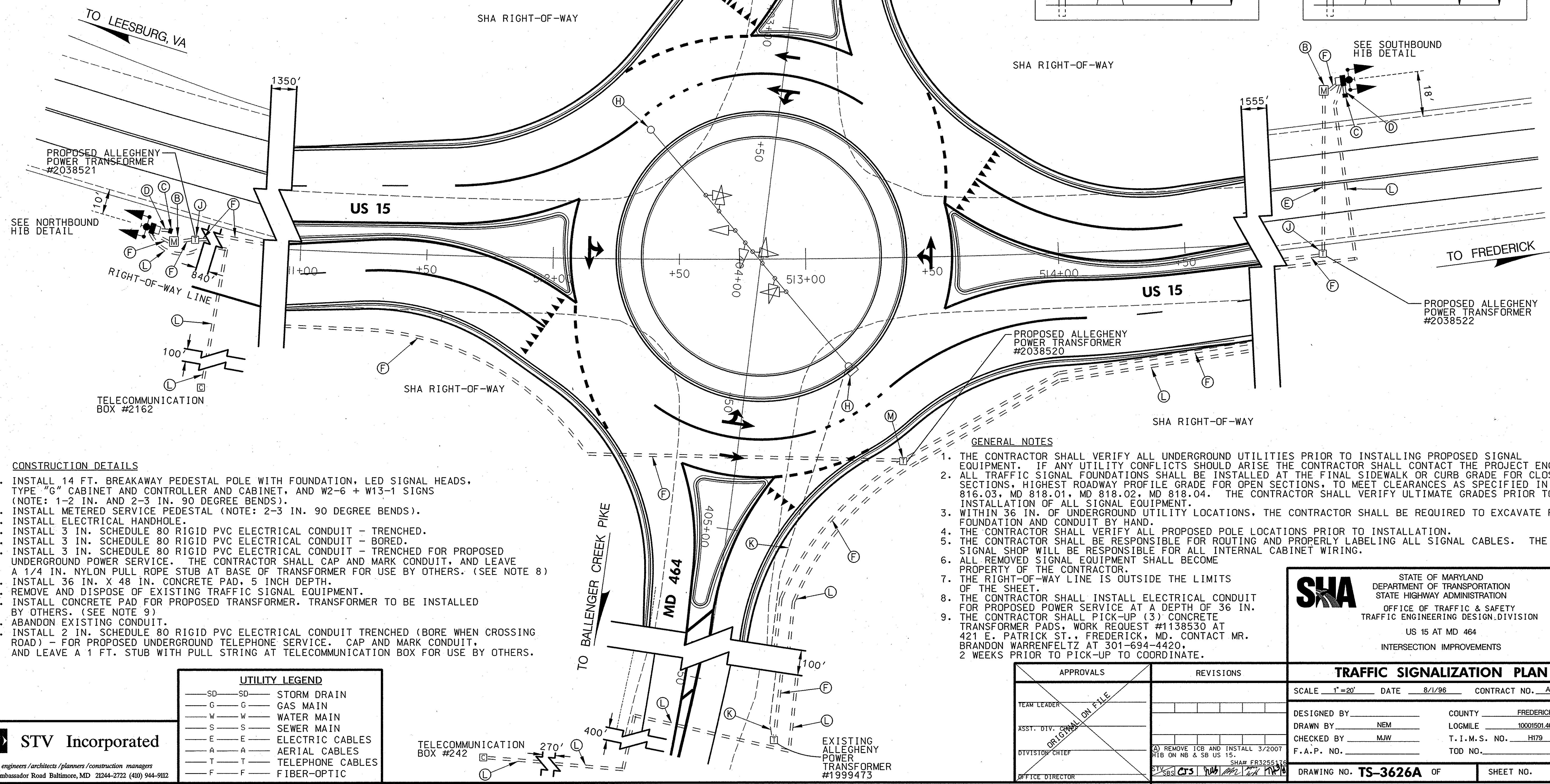
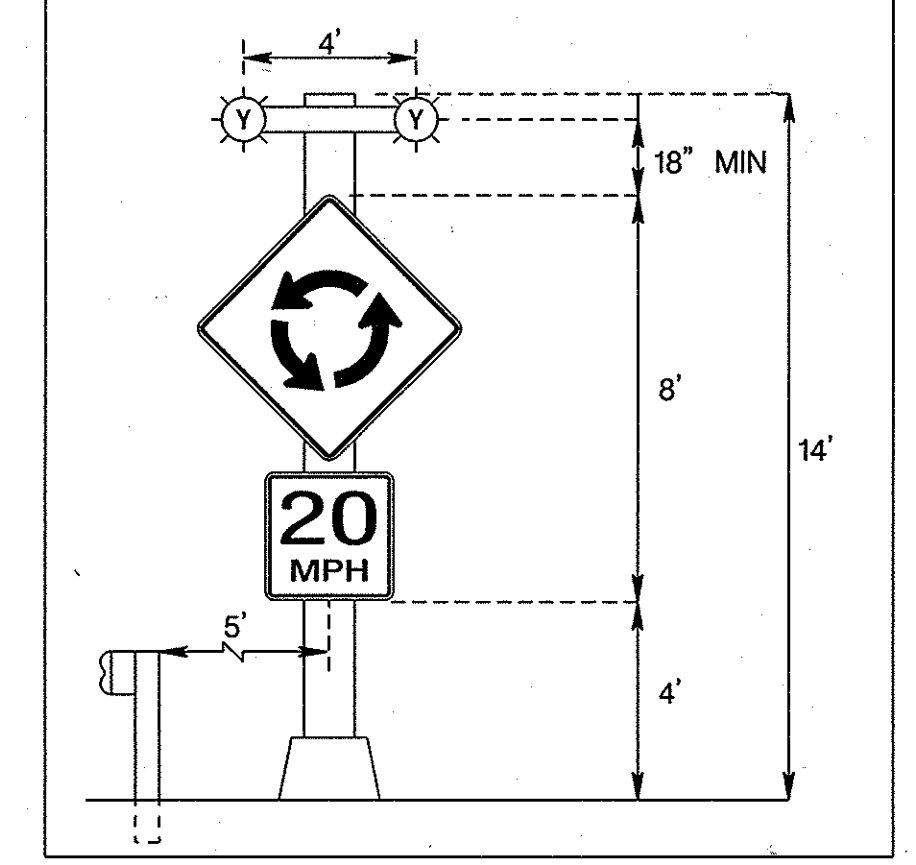
SOUTHBOUND HIB DETAIL



NORTHBOUND HIB INSTALLATION DETAIL



SOUTHBOUND HIB INSTALLATION DETAIL



CONSTRUCTION DETAILS

- INSTALL 14 FT. BREAKAWAY PEDESTAL POLE WITH FOUNDATION, LED SIGNAL HEADS, TYPE "G" CABINET AND CONTROLLER AND CABINET, AND W2-6 + W13-1 SIGNS (NOTE: 1-2 IN. AND 2-3 IN. 90 DEGREE BENDS).
- INSTALL METERED SERVICE PEDESTAL (NOTE: 2-3 IN. 90 DEGREE BENDS).
- INSTALL ELECTRICAL HANDHOLE.
- INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - BORED.
- INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED FOR PROPOSED UNDERGROUND POWER SERVICE. THE CONTRACTOR SHALL CAP AND MARK CONDUIT, AND LEAVE A 1/4 IN. NYLON PULL ROPE STUB AT BASE OF TRANSFORMER FOR USE BY OTHERS. (SEE NOTE 8)
- INSTALL 36 IN. X 48 IN. CONCRETE PAD, 5 INCH DEPTH.
- REMOVE AND DISPOSE OF EXISTING TRAFFIC SIGNAL EQUIPMENT.
- INSTALL CONCRETE PAD FOR PROPOSED TRANSFORMER. TRANSFORMER TO BE INSTALLED BY OTHERS. (SEE NOTE 9)
- ABANDON EXISTING CONDUIT.
- INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT TRENCHED (BORE WHEN CROSSING ROAD) - FOR PROPOSED UNDERGROUND TELEPHONE SERVICE. CAP AND MARK CONDUIT, AND LEAVE A 1 FT. STUB WITH PULL STRING AT TELECOMMUNICATION BOX FOR USE BY OTHERS.

UTILITY LEGEND

SD	SD	STORM DRAIN
G	G	GAS MAIN
W	W	WATER MAIN
S	S	SEWER MAIN
E	E	ELECTRIC CABLES
A	A	AERIAL CABLES
T	T	TELEPHONE CABLES
F	F	FIBER-OPTIC

GENERAL NOTES

- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING AND PROPERLY LABELING ALL SIGNAL CABLES. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.
- ALL REMOVED SIGNAL EQUIPMENT SHALL BECOME PROPERTY OF THE CONTRACTOR.
- THE RIGHT-OF-WAY LINE IS OUTSIDE THE LIMITS OF THE SHEET.
- THE CONTRACTOR SHALL INSTALL ELECTRICAL CONDUIT FOR PROPOSED POWER SERVICE AT A DEPTH OF 36 IN.
- THE CONTRACTOR SHALL PICK-UP (3) CONCRETE TRANSFORMER PADS, WORK REQUEST #1138530 AT 421 E. PATRICK ST., FREDERICK, MD. CONTACT MR. BRANDON WARREN FELTZ AT 301-694-4420, 2 WEEKS PRIOR TO PICK-UP TO COORDINATE.

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
US 15 AT MD 464
INTERSECTION IMPROVEMENTS

TRAFFIC SIGNALIZATION PLAN	
SCALE 1"=20'	DATE 8/1/96 CONTRACT NO. AW105-853
DESIGNED BY	COUNTY FREDERICK
DRAWN BY NEM	LOGMILE 10001501.40
CHECKED BY MJW	T.I.M.S. NO. H179
F.A.P. NO.	TOD NO.
DRAWING NO. TS-3626A	OF SHEET NO. OF

STV Incorporated
engineers/architects/planners/construction managers
7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112

TELECOMMUNICATION BOX #242

EXISTING ALLEGHENY POWER TRANSFORMER #1999473

APPROVALS	REVISIONS
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REMOVE TCB AND INSTALL 3/2007
HIB ON NB & SB US 15.
SHA# FR3255139
STV SRS CRJ WJB MJE MJE MJE

PLOTTED: TUESDAY, MARCH 13, 2007 AT 01:19 PM
FILE: I:\PROJECTS\031201\031201\0008\DRAWINGS\TRAFFIC\SIGNAL\PSG-P001-US15.DGN